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What is claimed is:

1.   A method for displaying changes in the operation states of network devices on a display screen of a device which operates as a client in an network when various digital devices connected to the network
5   operate as the client or the servers, having the same protocol layer as an Internet protocol stack on the upper network communication layer, comprising the steps of:

(a) the device which operates as the client (the client device) establishing a communication channel with respect to devices which
10   operate as the servers (server devices);

(b) the server devices transmitting a predetermined signal for indicating changes in the operation states thereof to the client device when the server devices perform a predetermined operation and stops the operation or performs another operation; and
15   (c) the client device receiving the predetermined signal from the server devices and displaying the change in the operation state of a concerned server device on a screen thereof.

2.   The method of claim 1, wherein the client device establishes
20   a communication channel with respect to the server devices by periodical polling in the step (a).

3.   The method of claim 1, wherein a Java applet operates through the communication channel when the client device established the
25   commpunication channel with respect to the server devices.

4.   The method of claim 1, wherein the network is an IEEE 1394 network.

30   5.   A method for displaying changes in the operation states of network devices on a display screen of a device which operates as a client in a network when various digital devices connected to the network operate

as the client or the servers, having the same protocol layer as an Internet protocol stack on the upper network communication layer (physical layer), comprising the steps of:

5 the client device receiving data on the operation states of the server devices connected to the network bus, in a network communication layer;

the client device examining whether the previous operation state data of the server devices is different from the current operation state data, in a network communication layer;

the client device transmitting the current operation state of a server

10 device, whose previous operation state data is different from the current operation state data from the ~~1394~~ *NetWork* communication layer, to a hypertext transmission protocol (HTTP) layer which is the upper most protocol layer of the client device; and

the client device displaying the change of the operation state of the

15 concerned server device on a screen thereof according to the contents transmitted to the HTTP layer.